KAISER • HILL
COMPANY

MEMORANDUM

Date: October 15, 2001

To: Jan Robbins

From: Pam Arnold

Subject: WEEKLY STATUS MEETING DOE/LRA for October 15, 2001

Attached are the minutes for the referenced weekly meeting for the Operating Record. No meeting was held on October 8, 2001 as that was a Federal and State holiday, Columbus Day.

In attendance were:

P. Arnold
J. Floerke
D. Foss
M. Frazier
L. Gregory-Frost
B. Gustafson
D. Onyskiw
E. Pietsch
J. Tasset
D. Ward
J. Wrapp

In addition to the attached status, the following was discussed:

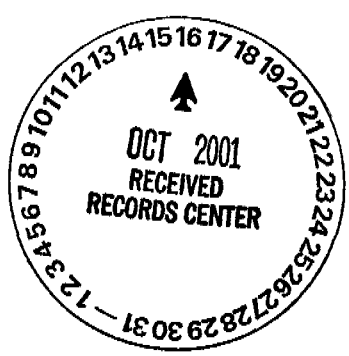
1) Regarding the use of tanks D717 and D718, a recently modified procedure was provided to Denise Onyskiw. Denise had expressed concern over using those tanks due to recent backflow problems. The changes to the procedure were explicitly for the purpose of prevent backflow. Denise returned comments for additional changes to the procedure before the tanks can be used to store hazardous waste. In addition, it was discussed that the liquid to be contained in the tanks is remediation waste, not process waste, which will allow the establishment of a CERCLA unit rather than the 90-day unit originally proposed. The status of requested changes to the procedure will be reported.

1/20

2) Dyan Foss reported that she had talked with the Public Relations department to discuss the video taping of various activities for historical/lessons learned use. With the current heightened security, such video taping is currently curtailed unless specifically requested by DOE. Efforts will continue to include this type of recording.

3) The Management Self Assessment for the Building 371 Non-thermal Gloebox Removal Operation was held last week. Denise Onyskiw attended. A report of the Assessment is attached to these minutes.

End



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B371 CLOSURE PROJECT

WEEKLY STATUS MEETING

Every Monday, 9:00 a.m.

B371 Conference Room

October 15, 2001

AGENDA

INTRODUCTION – *Pam Arnold, X6035, Pager 303-212-4835*

D&D

Presenters – *Jim Floerke, X2850, Pager 303-212-3292*

- Liquids Draining
- Tank Deactivation
- Glovebox Deactivation
- CSV Deactivation
- Set 16 Deactivation
- Special Projects
  - *Cerium Nitrate*
  - *MAA/PA Closure*

Presenter – *Barry Gustafson, X3292, Pager 303-212-5290*

- Special Projects
  - *North Side Cleanup*
  - *Remote Dismantlement Chamber*
  - *Breathing Air*
- Sets 7, 18, 24, 30 and 56 Status

ENVIRONMENTAL – *Pam Arnold, X6035, Pager 303-212-4835*

WASTE MANAGEMENT – *Laurie Gregory-Frost, X3681, Pager 303-212-1980*

AUTHORIZATION BASIS/BIO – *John Almon x3217, Pager 303-212-3426*

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- The GB 69 crate drop was delivered to the facility on 9/21; installation is on hold pending technical review of operations strategy.
- Fabrication of the I/O 8 mechanical system is 80% complete and work on the modified gripper has started. The electrical control panel fabrication is 50% complete. The XYZ traverse was shipped on 9/25. The air motor has been received at CNC. Assembly of the mockup configuration has started. (1AC109AD01)
- I/O 8 modification package will be complete 10/15.
- The guillotine door switch relocation is 45% complete. An ECR is required for solenoid test gauges.
- GB 69 lead removal is complete. Flange installation started on 9/22, and frame fabrication and GB breach is on hold pending technical review of operations strategy.
- I/O 8 drain line installation package will be completed the week of 10/15.

Cerium Nitrate

- CeN decontamination procedure is complete and approved.
- Internal management review to be performed prior to hot startup.

MAA/PA Closure

- The MAA/PA closure plan draft is 60% complete. (AC11PNM20)
- The target schedule to start shipping TRU Classified Shapes to WIPP is June 2002. There is currently storage space available in the B991 vaults for storage of these parts if the shipping schedule to WIPP slips. B991 may have other material slated for the vault space unless a priority is given to the B371 drums. This would only become an issue if the drums were not shipped prior to the scheduled measurement scans in the vaults. The drums packed after November 10, 1997 must be inventoried. The determination of the drums that need inventory and the resolution where inventory will be done and where is scheduled to be completed on 11/2/01.
- An evaluation by the TRU Waste Program personnel of the estimated 200 TRU and TRUM waste drums that will require corrective action prior to shipment is complete. The list was further evaluated to determine which drums will be re-packed by the Residues Program. This is additional scope for Residues. B371 Waste Packaging Compliance will review the list to determine which drums can be shipped from the building after resolution of incomplete documentation. TRU Waste Programs has committed to resolving any issues with moving the remaining TRU waste drums out of B371 in support of MAA/PA Closure.
- Fire Protection Engineering evaluated the feasibility of using "kitty litter" to dilute oil sludge/oily chips from lathes and mills (per WIPP criteria the resulting mixture must be less than 1% pyrophoric) and found this to be a viable blending process.
- A meeting was held to discuss the assay platform options for measuring/testing the oil sludge/oily chips blended with "kitty litter". Blending the greasy material to achieve a homogeneous distribution with the "kitty litter" will be required for accurate measurements.
- The first meeting was held to begin implementing the process of blending the oil sludge/oily chips with a clay mixture. B707/76/77 is supporting this effort even though the Closure Project may opt to re-baseline the current D&D schedule and ship the material to B371 for processing prior to MAA/PA Closure. The Waste Characterization organization has designated this blended mixture as a subset of the Miscellaneous Organic Solids. Residues Project is anticipating the Salts Procedure can be used for the blending process with minor revisions. There is also the option to package the material in a waste storage box with other D&D generated waste material at point of generation. The can of material would be scanned with other contents of the crate.
- Security has agreed to conceptualize a reduced MAA/PA in the event the shipments of unclassified oxide/metal, eU parts, composites and IAEA material are delayed. The sub-basement and basement could possibly be key areas for reduction of the MAA. The security requirements will need to address the recovery of SNM by any of the Closure Projects during D&D activities once the B371 MAA is closed. Security will review the B371 MAA/PA Closure Plan and provide comment.

+ENVIRONMENTAL STATUS
REGULATED UNITS

SET	AREA	RCRA UNIT DESCRIPTION	Unit #/Idle Equip. #	LOCATION	STATUS
4	N/A	Tanks: D133, D150, D151, D152A, D152B	MRT	3571	
		Ancillary Equipment: Evaporator-reboiler E-55, Evaporator Bottoms Cooler E-56, Condenser E-57, and Nitric Acid Feed Heat Exchanger E-62.	MRT	3571	
		Evaporator Bottoms Pump 31-18 P49A	IE: 0079	3571	
		Evaporator Bottoms Pump 31-18 P49B	IE: 0080	3571	
		Pumps 33 A&B, 34 A&B	IE: 0109	3571	
5	N/A	Tanks: D134A, D134B D134C, D135A, D135B, D289A, D289B, and D289C.	MRT	3573	
7	N/A	Container Storage – Room	371.1A	3301	
	N/A	Mixed Residue Tank – Ancillary Equipment only	N/A	3303	
	N/A	Container Storage – Room	371.1A	3305	
	N/A	Pumps: P171, P172, P173, P174, P175, P176, P177, P178, P179, P180	3710122	3305	
	N/A	Mixed Residue Tank - Ancillary Equipment only	N/A	3305	
		Pumps: P171 through P180 (10 pumps)	IE: 0122	3305	
	N/A	Container Storage – Room	371.1A	3315	
	N/A	GB Storage - GB#32	371.1B	3315	
14	N/A	Container Storage – Room	371.1A	2325	
18	N/A	Tanks: D816, D817, D818, D819, D820, D821, D822, D823, D826A, D826B, D826C.	374.3	3801	Tanks D883A/B have been declared RCRA Stable and transferred to D&D
	N/A	See Set 19 also			
	N/A	Tanks: D827, D830, D832, D834, D876, D879, T802, T803, T804, T805.	374.3	3810/4814	

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Waste Management Summary

Status for Week Ending 10-12-01

- **Remediation Waste Training:**
  Informal briefings regarding the management of remediation waste are being conducted with D&D work crews. Remediation waste training will begin in the next two weeks.

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MEMORANDUM

DATE: October 9, 2001

TO: Jerry Long

FROM: Mike Swartz, 371 Deactivation & Decommissioning, Bldg. 371, X5107

SUBJECT: COMPLETION OF THE MANAGEMENT SELF ASSESSMENT (MSA) FOR THE BUILDING 371 NON-THERMAL GLOVEBOX REMOVAL OPERATION – JMS-042-01

An MSA was conducted for the Building 371 SET 24 glovebox removal operation. The attached information documents the scope of the review, the methods, action and fieldwork performed by the MSA team.

The MSA team determined the following:

- The operators and foreman were very knowledgeable of the scope of the job, the hazards of the work, and associated controls. Craft were knowledgeable of D&D tools to be employed and methods of glovebox removal. Responses provided to potential upset condition scenarios were accurate and demonstrated good grasp of appropriate actions. Scenarios included ventilation upsets, SAAM/CAAM alarms and contamination controls.
- Activities defined in the planned scope of work are addressed in the Basis for Interim Operations (BIO), Revision 5. The USQDs and SESs, which support the out-of-commission (OOC) process (PRO-1166-ADM-371), were developed in accordance to requirements. Major pieces of OOC equipment were labeled as required by procedure.
- The work control documents need to be modified to reflect improvements suggested by the MSA team and operations personnel. Improvement areas include sequencing of steps, more specificity regarding some controls, and clarity for handling SCO material.

Recommendations:

The MSA team determined the activity can be safely performed by the crew utilizing the work control documents provided the following is completed prior to initiating the activity:

1. Modifications are made to the work control documents and JHA to resolve the identified issues.

2. The crew performs a walkdown of the modified documents. This walkdown will include D&D project management oversight.

3. Qualification requirements are confirmed to be met.

4. Complete a GB removal evolution in the cold D&D training center with crew members to further refine the skill level of the operators.

These pre-start actions will be confirmed complete by the D&D Project Manager prior to authorizing glovebox removal activities.

If you have any questions, please call me.

JPF:dlb

Attachments:
1. MSA Summary Checklist
2. MSA Scope Description
3. MSA Kick-off Meeting Roster
4. MSA Exit Meeting Roster

cc:
Rick Caulfield
Debby Davidson
Gaye Eshima
Jim Floerke
Dave Hatton
Mike McGrory
Dave Nichols
Dick Rice
Larry Rosebrock
Mark Spears
John Wrapp

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MANAGEMENT SELF ASSESSMENT

MSA Review Team Checklist

1. Project paperwork and documentation:

A. Hazards identification and controls, including Job Hazard Analysis.

The crew understood the hazards and associated controls, although some of the control descriptions were vague (worker training, RWP controls, containment controls). One control was not clear as to how it was implemented (max personnel lifting weight of 50 lbs.).

B. Project workability, clarity of scope and overall safety of the proposed work.

Scope is clear and adequately identified. Some changes to work documents are needed to clear up identified issues. Workers would have preferred the scope to be included in a single work package instead of two.

C. Sequence of work.

Some steps appear to be out of sequence. Specific items have been provided to the planning organization.

D. Methods and/or Work Documents

Some modifications to work documents have been suggested to the planning organization. Rely on skill of the craft for some execution steps.

E. Review of Authorization Basis and use of PRO-1166-ADM-371 (SSC/SET OOC Disposition Process)

Activities defined in the planned scope of work are addressed in BIO Rev. 5. The USQs and SESs support the OOC package and associated IWCPs. The OOC was developed in accordance with PRO-1166-ADM-1371. The OOC equipment was properly labeled as OOC.

F. Review of Environmental Documents – DOP and Permits

The work documents included the proper RCRA closure documentation and identified the required interfaces with the environmental organizations.

G. Specific training given to personnel for scope

All the qualification documentation for the individual personnel was not in place for review. Most was near complete, but not finalized. The Remediation Waste

Procedure was effective September 24, 2001. Training for this procedure is schedule prior to initiation of GB removal activities. As a crew, the team should perform a glove box removal evolution in a cold environment.

2. Personnel assigned to perform the work:

A. Basic sequence of work

Personnel understood the basic sequence of the work activities.

B. Methods of D&D activities

The foreman and crew were knowledgeable of the D&D activities. The crew experience included glove box breaches and isolation.

C. DOP and Permits

The DOP approves this activity and RCRA hold points were included in the package to ensure correct RCRA Closure.

D. Waste Management – WGI's and WSRIC's

Although WGIs and WSRICs have been developed for this activity, it was not well understood by the foreman and crew. Need to determine if an 'if – then' loop needs to be included to address the potential waste streams (SOC or TRU). This will be better defined when SCO characterization is completed. The crew are all waste generator qualified.

E. Criticality Safety

Crew understood the proper crit controls. The foreman is NSP 3.12 qualified. None of the crew are NSP 3.12 qualified, but the personnel understood the requirements to make sure that a qualified surveillant performed the activity prior to executing work.

F. Safeguards and Security

The crew understood scanning purposes and the expectations of Q-cleared and PSAP positions.

G. Actions during potential upset conditions

Operators and foreman had good understanding of how to respond to ventilation upsets, SAAM/CAM alarms, and contamination incidents.

H. Hazard controls

Hazards and associated controls were well understood. Some additional clarification/detail on some controls is recommended and has been provided to the planning team.

I. Conduct of Operations

Not specifically reviewed. Although the group understood work control, revision requirements, role of the shift manager and procedural compliance.

3. Equipment and Tools:

A. Equipment and systems being affected by this work:

This activity effects ventilation of the area. The work package had detailed steps and ensured coordination with affected groups (SOEs) during removal operations.

B. Equipment (tools) utilized to conduct this work.

Crew have had specific experience in most of the tools used for this evolution. As skilled trades, they have used nibblers and other non-thermal cutting tools. The work package should include more information on the alternate fixatives that are to be used and the hazards of those fixatives.

4. ALARA/RWP

The RWP and ALARA job review were in place for the mechanical isolation package and in draft for the GB Removal package. (This RWP is actually completed during the pre-requisite section of the IWCP).

4. Recommendations:

-Modify the work documents to address the issues identified by the crew members and MSA Team.
-Perform a walk down of the modified documents. Include D&D Project Management oversight during this walk down
-Confirm that qualification requirements are met.
-Complete a GB cutting evolution in the non-contaminated D&D Training center with crew members.

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Building 371 & 374

IWCP# T0106508 Glovebox 71, 72, and 73 Dismantlement
T0106507 Mechanical Isolation

Management Self Assessment Summary

Building 371/374 D&D Startup Management Self Assessment (MSA) process will utilize peer review from an outside set of reviewers. The MSA is used when the Joint Evaluation Team recommends to building management that they want an independent review of the proposed work.

Reasons for conducting an MSA are:

1. Safety controls
2. An objective review of the proposed work
3. Foreman and craft personnel are trained and qualified to perform the work
4. Validation of the proposed work process, by subject matter experts
5. Opportunity for building D&D management to focus on startup activities

Safety Concerns/Precautions

Work will be performed in a Radiological Controlled Area (RCA).

Work activities will require the breach of internally contaminated systems with anticipated high contamination levels of plutonium and americium.

Other Job Hazards may include: Radiological, Electrical Shock, Pinch Points, Falling, Eye and Face Injury, Lead Exposure and Sprains & Strains.

Authorization Basis/BIO/DOP

Include all activities defined within the scope of the work. Explain negative responses to the AB, BIO or DOP.

WSRIC/WGI

WSRIC assigned numbers are 371-30 and 371-31

Disposition Information/Staging Area Transportation

A RCRA Temporary Unit will be set-up in accordance with controls established by Environmental Safety for accumulation of mixed waste for staging prior to transfer to the NDA counter or to the dock for shipment to RCRA unit's onsite.

Low-Level and TRU waste will be staged in 3408 prior to being transferred to the counter or to the dock for intra-site shipment to shipping facility.

RCRA Unit/Closure Information

As a prerequisite to a RCRA closure package, information will be provided to the Environmental Safety Group through the use of a "Closure" Form when any RCRA unit is worked on. The Master List will be updated using the completed form(s). All waste will be transferred to the counter/dock and controlled by existing building procedures.

MSA Work Scope

Building 371/374 proposes to start Decontamination and Decommissioning (D&D) activities on out of commission (OOC) equipment, systems utilizing non-thermal cutting techniques. The scope of these activities removal of equipment and utilities using conventional industrial dismantling techniques, e.g. nibblers, Sawzall, unbolting, etc.

Prior to starting D&D activities, these buildings has tapped and drained all lines and removed SNM materials. Work Packages for these activities follow similar logic for each set or room. Loose equipment removal and general clean-up initiate the D&D scope. Isolation of overheat detectors, electrical and mechanical systems, removal of out of commission piping, conduit, misc. equipment, lead removal followed by glovebox dismantlement, size reduction and packaging for disposition complete the D&D scope.

The MSA will look at the following activities:

1. Project paperwork and documentation:
   - A Hazards identification and controls, including Job Hazards Analysis
   - B Project efficiency, workability, clarity of scope and overall safety of the proposed work
   - C Sequence of work
   - D Methods (Work Documentation)
   - E Review of the Authorization Basis (AB)
   - F Review of Environmental Documents
   - G Specific training given to the applicable personnel

2. Personnel assigned to perform the work:
   - A Basic sequence of work
   - B D&D methods
   - C Action during potential upset conditions
   - D Waste Management
   - E Criticality Safety
   - F Safeguards and Security
   - G Actions during potential upset conditions
   - H Hazard and controls
   - I Conduct of Operations

3. Equipment and Tools:
   - A Equipment and Systems being affected by this work
   - B Equipment and Tools being utilized for this work.
     - Power tools
     - Hand tools
     - Lifting and hoisting equipment
     - Forklifts

- Sawzalls
- Portabands
- Nibblers
- Ladders and Scaffolding

Selection of the MSA Team

The MSA team is selected by the Building Responsible Manager (RM) and approved by the Building Manager. The team will be chosen from individuals external to the proposed work and will include peer SME with prior experience, expertise and/or ability to objectively evaluate the merit and validity of the proposed work.

MSA Format

The MSA will be conducted with the following format:

1. **Develop schedule/scope of the review**
   The RM, for the proposed activity, documents the scope of the MSA and plans a schedule. The RM chooses SME's from, outside the activity, to participate on the MSA team. The SME's are contacted and a time for the meeting is schedule/established.

2. **Meeting**
   The RM introduces the MSA team to one another and provides an overview of the proposed work activity, intent, scope and schedule.

3. **Review activities**
   The MSA team reviews the proposed activities paperwork, personnel and equipment. Interviews, walkdowns, roundtable, or any other venue that is necessary for the MSAQ team to derive a complete understanding of the state of preparation for the proposed activity.

4. **Documentation of MSA and exit meeting**
   The MSA team documents the breadth and depth of their review, their impressions and their conclusions for evidence gathered. The MSA team concurs with the proposed activity or recommends corrective actions prior to the undertaking of proposed work.

Documentation of the MSA

The MSA Team shall conduct their review of the proposed work and complete the MSA checklist (attached/below). The MSA Team shall conclude with agreement or disagreement with the proposed work and a defense of their position.

ALARA/RWP

An ALARA job review was completed with an expiration date.

Attachment 3
JMS-042-01
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Building 371/374
Management Self Assessment

Kickoff Meeting

10-3-01

Name	Organization	Phone Number	Pager Number
Jim FLORENCE	B371 D&D	2850	212-3282
J.E. RICE	371/374 ME&I	6351	212-4513
C.T. EATON	371 D&D	5673	N/A
J TRVEHY	371 D&D KH	5673	5246
M. R. BARATAS	371 D&D KH	5673	4613
JOHNNY V. JOE JR.	371-374 D&D TRS	5029	212-1266
DW HATTON	B371 D&D	5673	5299
JAMES A BALDWIN	B371 D&D	5781	1521
TOM JUDD	B371 PLANNING	5254	1335
MARCUS CHASE	B-371 BSI	1335	212-1335
R L MOORE	371/374 CSO	7244	212-4581
WM Krueger	371 D&D	6482	1282
ERIC ESPINOSA	371 WASTE	8457	5634
JR Conley	371 D&D	6482	1328
GAYE ESHIMA	EVALUATION TEAM	7103	212-3449
HARTAU ISSAIAS	Engineering	5122	212-5226
Wendy DAVIDSON	Rad Safety	5772	212-5884
Charles Adams	Environmental	5457	212-5239
Randy Ruffin	Rad Ops	6482	212-1337
Laurie Gregory-Frost	371/374 Waste	31681	212-1980
JIM RAU	371	5673	5777
RICK CAULFIELD	707	8109	6013
Chuck STRUDINGER	371	5673	4147
BILL KIRBY	371 D&D	6025	1094
LARRY ROSEBROCK	D&D 371	5987	212-4400

Building 371/374
Management Self Assessment

Attachment 4
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~~Kickoff~~ Meeting
Exit

10-4-01

Name	Organization	Phone Number	Pager Number
J.P. FLOERKE	371 D&D	2850	212-3292
R CAULFIELD	B707 D&D	8109	303-6213
J E RICE	Fac-Mgr B371/374	6351	212-4513
DJ DAVIDSON	371 Rad Safety	5772	212-5884
G ESHIMA	EVALUATION TEAM	7103	212-3449
LARRY ROSEBROCK	D&D/MTC.	5987	212-4400
J.M. SUMNER	B371 D&D	5107	212-4305
DW Horton	B371 D&D	5673	212-5299

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